

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
8 March 2001 (08.03.2001)

PCT

(10) International Publication Number
WO 01/15554 A1

(51) International Patent Classification: A23L 1/304,
A61K 31/19, A23L 3/358, C02F 1/50, C09K 15/02, A01N
59/16, 59/20, C09D 1/00

(74) Agent: MARCH, Gary, Clifford; Batchellor, Kirk & Co.,
102-108 Clerkenwell Road, London EC1M 5SA (GB).

(21) International Application Number: PCT/GB00/03364

(22) International Filing Date: 31 August 2000 (31.08.2000)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
9920539.5 31 August 1999 (31.08.1999) GB
9928337.6 30 November 1999 (30.11.1999) GB

(71) Applicant (for all designated States except US): REM-
EDY RESEARCH LIMITED (GB/GB); Unit 10, 1-10
Summers Street, London EC1R 5BD (GB).

(72) Inventor; and

(75) Inventor/Applicant (for US only): HICKOK, Stephen,
Spaulding [US/GB]; Remedy Research Limited, Suite 2,
Holland Park Mansions, Holland Park Gardens, London
W14 8DY (GB).

(81) Designated States (national): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ,
DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ,
NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM,
TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian
patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European
patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE,
IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG,
CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

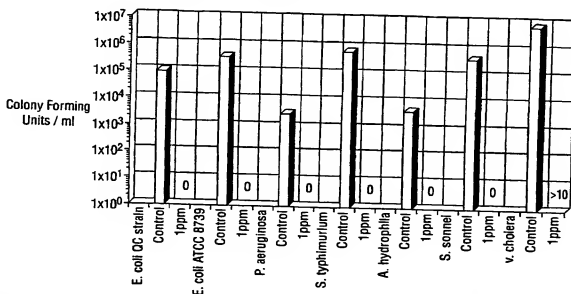
Published:

— With international search report.

— Before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments.

For two-letter codes and other abbreviations, refer to the "Guide-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: METAL-CONTAINING COMPOSITIONS, PREPARATIONS AND USES



(57) Abstract: A metal-containing composition substantially comprising (i) at least one water soluble metal compound which forms metal ions when dissolved in water, (ii) at least one metal ion modifier as herein defined, (iii) at least one acid, and (iv) water said composition having a pH of less than 6 and an electrolytic potential in excess of 10 millivolts. Such compositions have uses in the prevention and/or treatment of pathogenic disease or disorder, as foodstuff supplements, in the treatment by disinfection of meat and other foodstuffs, in the coating, sealing and plating of metals, and treatment of water and sewage.